

Product Data Sheet

Product Name: KRM-III
Cat. No.: GC63034

Chemical Properties

Cas. No. 79220-94-3

Formula $C_{15}H_{12}N_2S$ M.Wt 252.33

Solubility DMSO : 100 mg/mL (396.31 mM; Storage Store at -20°C
Need ultrasonic)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

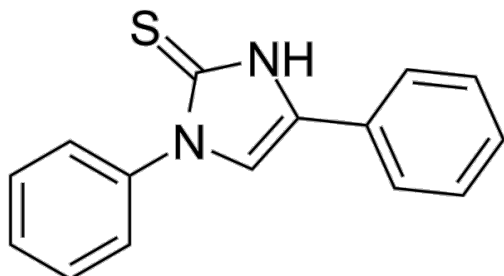
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

KRM-III is a potent and orally active T-cell antigen receptor (TCR) inhibitor. KRM-III inhibits TCR- and phorbol myristate acetate/ionomycin-induced activation of nuclear factor of activated T cells (NFAT) and T-cell proliferation with an IC₅₀ of ~5 μ M. Anti-inflammatory activity[1].

[1]. Eun Joo Jung, et al. Oral administration of 1,4-aryl-2-mercaptoimidazole inhibits T-cell proliferation and reduces clinical severity in the murine experimental autoimmune encephalomyelitis model. J Pharmacol Exp Ther. 2009 Dec;331(3):1005-13.

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